

Personnel Qualifications

Program Manager

Must have at least an M.S. degree in physics or electrical engineering. Must have at least 20 years of experience managing similar scientific/engineering projects. Will plan, direct, coordinate and control technical and administrative activities for an entire contract effort. Will supervise task managers in the execution of their assigned duties. Will review and maintain quality of technical work done on the program. Will make technical judgments and provide advice on the resolution of technical problems. Will assure and monitor the timeliness and quality of all work products inclusive of work planning, control of budget, schedule, and task execution, contract and subcontract management, personnel management and supervision. Must have extensive experience related to specific technology areas of this contract, including E-O and RF sensors; sensor calibration and characterization techniques; signature control technologies for military applications; image and sensor fusion; image/signal processing; and modeling and simulation, and image and spectral signature databases. Must have a Top Secret Clearance at the award date of the contract.

Senior Systems Engineer

Must have at least a B.S. degree in electrical or mechanical engineering. Ten years of specialized experience may be substituted for an academic degree. Must have at least 20 years of experience in Navy experimental research and systems engineering programs. Must have at least 20 years and current experience in utilizing systems engineering techniques and procedures for the development of E-O systems for the surface Navy. Must have extensive experience with signature control techniques, sensors and systems, detection studies, prototyping material, and system hardware. Must have a Top Secret Clearance at the award date of the contract.

Senior E-O Scientist

Must have at least an MS in physics or electrical engineering. A PhD degree is preferred. Must have at least ten years of direct experience in E-O/IR research and development for the U.S. Navy surface warfare applications. Must have current experience in the evaluation of IR detection and imaging systems for maritime surface applications. Must have demonstrated experience in all aspects of laboratory and field testing, including setting test goals, developing test methodologies, organizing and conducting tests, reducing data, and analyzing results. Must be familiar with accurate data collection and reduction techniques for infrared spatial radiometers, banded radiometers, and spectrometers. Must have experience in the integration of measurement suites for land, ship, and air platforms. Must be familiar with specialized modeling and simulation codes related to small surface and air target detectability and engagements. Must have a Top Secret Clearance on the contract award date.

Senior E-O Engineer

Must have at least an MS in physics or electrical engineering. A PhD degree is preferred. Must have at least ten years of direct experience in E-O/IR sensor design, development, fabrications, and integration, particularly for special operations applications. Must have current experience in the evaluation of IR detection and imaging systems for land and maritime applications. Must have demonstrated experience in

all aspects of laboratory and field testing, including setting test goals, developing test methodologies, organizing and conducting test, reducing data, and analyzing results. Must be familiar with accurate data collection and reduction techniques for visible and infrared imagers. Must have a Top Secret Clearance on the contract award date.

E-O Engineer

Must have a B.S. in physics or electrical engineering. Must have at least one year experience in E-O/IR research and development, hardware development, or test and evaluation. Must have experience with laboratory and field testing, operating optical, IR, laser, and/or RF sensors, conducting experiments, and reducing and analyzing data. Must have experience integrating sensors into land and/or ship platforms. Must have a Secret Clearance on the contract award date.

Senior Electrical Engineer

Must have at least an MS in physics or electrical engineering. A PhD is preferred. Must have at least twenty years of direct experience in research and development of sensors and systems for military applications. Must have current experience in the design and development of signal processing algorithms for sensor detection and identifications applications. Must have extensive experience in the design, development, and fabrication of a wide array of electronic printed circuit boards and field programmable gate arrays. Must have demonstrated experience in all aspects of laboratory and field testing. Must have at least a Secret Clearance on the contract award date.

Electrical Engineer

Must have a BS in electrical engineering. Must have at least one year of experience in supporting various aspects of electronic components and system design. Specific experience may include but not be limited to, the design and development of electronics systems, signal processing algorithms for sensor detection and identification applications. Must have extensive experience in the design, development, and fabrication of a wide array of electronic printed circuit boards and field programmable gate arrays. Must have at least a Secret Clearance on the contract award date.

Senior Software Engineer

Must have at least an MS in electrical engineering. Must have at least twenty years of direct experience in E-O/IR research and development for the U.S. Navy surface warfare applications. Must have current experience in the evaluation of IR detection and imaging systems for surface and air applications. Must have extensive experience with image and signal processing algorithm development and implementation. Must have current experience with sensor and image fusion techniques. Must have demonstrated experience in all aspects of laboratory and field testing. Must have a Top Secret Clearance on the contract award date.

Senior Data Base Developer

Must have at least a BS in computer or electrical engineering. Must have at least 10 years of experience in the design and development of image-based databases. Must be experienced with spatial-based geographical information systems (GIS), web application development, client server application

development, and relational databases such as SQL Server. Must have a Top Secret Clearance on the contract award date.

Senior Analyst

Must have a least an MS degree in an electrical or mechanical engineering, or physics. A PhD is preferred. Must have at least 10 years of experience with design and development of physics based visible, infrared, and/or RF modeling and simulation codes. Must have extensive experience with modeling threat sensors and system (missiles, surveillance systems, and/or imagers) and understanding techniques to lessen the vulnerability of friendly warfighters to detection and acquisition of threat sensors and systems. Must have in-depth understanding of conducting validation and verification processes on modeling and simulation codes. Must have Top Secret Clearance on the contract award date.

Analyst

Must have at least a BS degree in an electrical or mechanical engineering, or physics. An advanced degree is preferred. Must have at least one year of experience with the design and development of physics-based visible, infrared, and/or RF modeling and simulation codes. Must have experience with modeling threat sensors and system (missiles, surveillance systems, and/or imagers) and understanding techniques to lessen the vulnerability of friendly warfighters to detection and acquisition of threat sensors and systems. Must be knowledgeable of validation and verification processed on modeling and simulation codes. Must have Top Secret Clearance on the contract award date.

Senior Mechanical Engineer

Must have a least a BS in mechanical engineering. Must have at least ten years of direct experience in the mechanical design of complex sensor and systems. Must have current experience in the design and development of military-qualified systems. Must have current experience with the design, development of E-O and/or RF sensors and platforms for military applications. Must have current experience using state-of-the art CAD software. Must have a Secret Clearance at the award of the contract.

Mechanical Engineer

Must have at least a BS in mechanical engineering. Must have at least one year of mechanical engineering design and development experience in support E-O and/or RF sensor and sensor fusion developments. Must have current experience using state-of-the-art CAD software. Must have current experience in the design and development of military-qualified systems. Must have a Secret Clearance on the contract award date.

Senior Electronics Technician

Must have at least five years technician experience, including at least ten years in support of E-O/IR system development programs. Must have detailed knowledge and experience in operating and maintaining support equipment such as low power lasers, vacuum systems, gas systems, and other electronic, electrical, and optical equipment and instrumentation. Must have recent experience in setting up and conducting laboratory and field test. Must have experience in the design and fabrication of

electronic and electro-mechanical components and subsystems. Must have at least a Secret Clearance on the contract award date.

Electronics Technician

Must have at least one year of experience in the operation, troubleshooting, and repair of a wide variety of electronic and electromagnetic sensors and supporting instrumentation. Must have knowledge and experience in operating and maintaining support equipment such as vacuum systems, cryogenic equipment, and electrical and electronic test equipment. Must have experience in setting up and conducting laboratory and field test; in the design and fabrication of electronic and electro-mechanical components and subsystems; and in the integration of measurement suites for land, ship, and air platforms. Must have at least a Secret Clearance on the contract award date.

Senior Technical Writer

Must have at least ten years of experience in the preparation, review, and formalization of technical reports. Must have current experience in the formalization of technical reports and conference proceedings. Must be experienced in security procedures and classified document tracking and maintenance. Must have at least a BA degree. Must have at least a Secret clearance on the contract award date.

Administrative Support

Must have a minimum of one year experience with a wide variety of technical support to ongoing U.S. Navy programs. This experience may include such functions as ordering parts under government purchasing regulations; supporting the preparation, review, and formalization of project documents; and providing general administrative support such as typing and data base management support. Must have a Secret Clearance on the contract award date.